

08/532415

FILE 'USPAT' ENTERED AT 07:19:01 ON 23 FEB 96

* W E L C O M E T O T H E *
* U . S . P A T E N T T E X T F I L E *

=> s (3659899 or 3784255 or 3990681 or
4572579)/uref,oref,repn,rlpn,bi,pn

14 3659899/UREF
0 3659899/OREF
0 3659899/REPN
0 3659899/RLPN
0 3659899/BI
4 3,659,899/BI
4 3659899/BI
((3659899 OR 3,659,899)/BI)
1 3659899/PN
5 3784255/UREF
0 3784255/OREF
0 3784255/REPN
0 3784255/RLPN
0 3784255/BI
4 3,784,255/BI
4 3784255/BI
((3784255 OR 3,784,255)/BI)
1 3784255/PN
6 3990681/UREF
0 3990681/OREF
0 3990681/REPN
0 3990681/RLPN
0 3990681/BI
2 3,990,681/BI
2 3990681/BI
((3990681 OR 3,990,681)/BI)
1 3990681/PN
9 4572579/UREF
0 4572579/OREF
0 4572579/REPN
0 4572579/RLPN
0 4572579/BI
4 4,572,579/BI
4 4572579/BI
((4572579 OR 4,572,579)/BI)
1 4572579/PN

L1 29 (3659899 OR 3784255 OR 3990681 OR
4572579)/UREF,OREF,REPN,R
LPN
,BI,PN

=> s 5042103/uref,oref,bi
5 5042103/UREF

3659899 3784255 3990681 4572579

```

0 5042103/OREF
0 5042103/BI
0 5,042,103/BI
0 5042103/BI
  ((5042103 OR 5,042,103)/BI)
L2      5 5042103/UREF,OREF,BI

=> s 11 or 12
L3      30 L1 OR L2

=> select
ENTER ANSWER SET L# OR (L3):13
ENTER ANSWER NUMBER OR RANGE (1):1-30
ENTER DISPLAY CODE (TI) OR ?:ccls
E1 THROUGH E66 ASSIGNED

=> display select
ENTER L#, E#, E# RANGE, OR (ALL):e1-e12
E1      10      254/93HP/CCLS
E2      5       254/88/CCLS
E3      5       298/22R/CCLS
E4      5       414/469/CCLS
E5      4       105/243/CCLS
E6      4       14/71.3/CCLS
E7      3       14/71.1/CCLS
E8      3       296/181/CCLS
E9      3       298/1A/CCLS
E10     3       298/1B/CCLS
E11     3       298/24/CCLS
E12     3       414/470/CCLS

=> s e1-e6
230 254/93HP/CCLS
389 254/88/CCLS
331 298/22R/CCLS
201 414/469/CCLS
206 105/243/CCLS
219 14/71.3/CCLS
L4      1551 (254/93HP/CCLS OR 254/88/CCLS OR 298/22R/CCLS OR
414/469/CC
LS
      OR 105/243/CCLS OR 14/71.3/CCLS)

=> s polyethylene
L5      171928 POLYETHYLENE

=> s 14 and 15
L6      11 L4 AND L5

=> d kwic 1-11

US PAT NO:      5,450,643 [IMAGE AVAILABLE]
11
US-CL-CURRENT: 14/69.5, 71.1, **71.3**; **254/93HP**

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DETDESC:

DETD(7)

As . . . of plastic material. In practice, the bag may be formed of nylon fabric impregnated with a thermosetting resin, such as **polyethylene**.

US PAT NO: 5,411,360 [IMAGE AVAILABLE] L6: 2 of 11
US-CL-CURRENT: 414/608; 108/53.5; **254/93HP**; 280/442; 414/495, 498, 589

DETDESC:

DETD(8)

A . . . caster plates to freely rotate within the recess when loaded, a suitable bearing device such as a sheet 78 of **polyethylene** bearing material is disposed within the recess between the swivel caster from . . . by conventional inflatable dunnage bags 26 located in the access spaces, under the vehicles, or between them. These bags are paper-**polyethylene** low pressure bags that are also disposable.

US PAT NO: 4,054,226 [IMAGE AVAILABLE] L6: 9 of 11
US-CL-CURRENT: 220/403; 52/645, 656.1; 105/423; 220/1.5, 437, 461; 296/39.1; **414/469**

DETDESC:

DETD(3)

Originally . . . and 2 and is greater detail FIG. 6. The liner bag B can be formed as a seamless tube of **polyethylene** about 6 mils thick, squared and sealed at its ends to provide a 20 or 40 foot long, generally rectangular. . .

US PAT NO: 3,902,213 [IMAGE AVAILABLE]

L6: 10 of

11

US-CL-CURRENT: **14/71.3**; D34/32

DETDESC:

DETD(55)

As . . . outwardly through the hole in the leg. The pins can be formed of a plastic material, such as nylon or **polyethylene**, and the enlargements can be provided by heating the end of the pin to fuse the plastic and provide the. . .

US PAT NO: 3,822,861 [IMAGE AVAILABLE]

L6: 11 of

11

US-CL-CURRENT: **254/93HP**; 29/252; 249/66.1; 254/104; 425/436R

DETDESC:

DETD(9)

The . . . and an outer flexing covering 32 of tough, resilient synthetic plastic such as polyurethane sheet, polypropylene sheet, nylon mesh reinforced **polyethylene**, other reinforced plastics, etc. The covering 32 is a sheet folded over the bladder 30 and is secured together at. . .

d his

(FILE 'USPAT' ENTERED AT 07:19:01 ON 23 FEB 96)

L1 29 S (3659899 OR 3784255 OR 3990681 OR 4572579)/UREF,OREF,REP

N,R

L2 5 S 5042103/UREF,OREF,BI

L3 30 S L1 OR L2

SELECT L3 1-30 CCLS

L4 1551 S E1-E6

L5 171928 S POLYETHYLENE

L6 11 S L4 AND L5

=> e polyvinylchloride

E1 1 POLYVINYLCHLORIDC/BI

E2 1 POLYVINYLCHLORIDDE/BI

E3 12213 --> POLYVINYLCHLORIDE/BI

E4 1 POLYVINYLCHLORIDEACETATE/BI

E5 2 POLYVINYLCHLORIDEACRYLATE/BI

E6 1 POLYVINYLCHLORIDEHOMOPOLYMER/BI

E7	1	POLYVINYLCHLORIDEPOLYESTER/BI
E8	1	POLYVINYLCHLORIDEPOLYVINYLACETATE/BI
E9	386	POLYVINYLCHLORIDES/BI
E10	1	POLYVINYLCHLORIDESOL/BI
E11	1	POLYVINYLCHLORIDESUSPENSION/BI
E12	1	POLYVINYLCHLORIDEVINYL/BI

=> s e1-e3

	1	POLYVINYLCHLORIDC/BI
	1	POLYVINYLCHLORIDDE/BI
	12213	POLYVINYLCHLORIDE/BI
L7	12213	(POLYVINYLCHLORIDC/BI OR POLYVINYLCHLORIDDE/BI OR
POLYVINYL		
CHL		ORIDE/BI)

=> s 17 and 14

L8	0	L7 AND L4
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=> s 17 or pvc

	21350	PVC
L9	30504	L7 OR PVC

=> s 19 and 14

L10	2	L9 AND L4
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=> d kwic 1-2

US PAT NO:	5,423,386 [IMAGE AVAILABLE]	L10: 1 of
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US-CL-CURRENT: 172/22; 298/17R; **414/469**, 703, 719

DETDESC:

DETD(11)

Counterweight . . . or support capable of having weights added or removed. Adjustable counterweight 21 may also comprise a reservoir such as a **PVC** plastic tube or rectangular aluminum tube for containing ballast such as water, sand, shot or the like and having one. .

US PAT NO:	5,067,774 [IMAGE AVAILABLE]	L10: 2 of
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2
US-CL-CURRENT: 298/1A; **254/93HP**; 298/10, 22D, **22R**;
414/469, 917

SUMMARY:

BSUM(18)

The side wall can be made from a fibre reinforced plastics,
PVC or
other fibre reinforced material. Where the fibres are formed as a
fabric,
the fibres can be of uniform or. . .

The . . . templates of FIGS. 1 to 3 can be any suitable
commercially
available reinforced air tight material such as polyester
reinforced
PVC. Material known under the trade names COMPLAS, ATLAS and
PLASTYNE
are suitable; however tests on the ATLAS and COMPLAS material. .

=> s bellow#
L11 23148 BELLOW#

=> s l11 and l4
L12 33 L11 AND L4

=> s l12 and inflat#####
34092 INFLAT#####
L13 22 L12 AND INFLAT#####

=> d 1-22 kwic

US PAT NO: 5,313,679 [IMAGE AVAILABLE]

L13: 1 of

US-CL-CURRENT: 5/659; **254/93HP**

the **inflatable** parts so as to communicate with each other. In
this
case, it is preferable that the **inflatable** part has a body in
the
form of a **bellows**-shaped air bag.

5. A bed (21) according to claim 4, wherein said **inflatable**
part
(23) has a body in the form of a **bellows**-shaped air bag.

CLAIMS:

CLMS (6)

6. A bed (21) according to claim 4 wherein said **inflatable**
means
(22) is made of an elastic material.

US PAT NO: 4,982,465 [IMAGE AVAILABLE]
22

L13: 2 of

US-CL-CURRENT: 5/450, 453, 456, 909; **254/93HP**, 93R

SUMMARY:

In . . . fabrics made of polyester thread and spandex thread. For other types, the bag may be formed in the type of **bellows** so as to expand and shrink only in a fixed direction in the form of an accordion.

aspects, a liquidtight thin plate may be formed to be **bellows**-shape, and be allowed to expand and shrink only in fixed directions. The expanding and shrinking directions may be ones other. . .

US PAT NO: 4,948,107 [IMAGE AVAILABLE]

L13: 3 of

22

US-CL-CURRENT: **254/93HP**

ABSTRACT:

A . . . also includes a valve for communicating with the interior of the sheets. A source of aeroform fluid is utilized for **inflating** the jack to an enlarged shape to lift a car sufficiently for changing a tire.

SUMMARY:

BSUM(6)

One of the known forms of pneumatic jacks is the barrel-shaped structure or cylindrical bag stretcher which operates on the **bellows** type of principal. These pneumatic jacks offer advantages in that they are of an essentially one-piece construction, are easily and . . . in order to preclude inadvertent rolling of such jack and movement of the car during, or subsequent to the full **inflation** of the jack.

The present invention relates to the article and method of making a flat, **inflatable**, bag type jack comprised of upper and lower elastomer sheets. The sheets are joined together and are

supported
peripherally by. . .

in retaining the air tight relationship of the zone of
inflation during **inflation** and use. Commonly known
general
purpose rubber adhesives may be utilized.

DETDESC:

US PAT NO: 4,907,781 [IMAGE AVAILABLE]

L13: 4 of

22

US-CL-CURRENT: **254/93HP**, 89H

SUMMARY:

6. Hoisting air cushion according to claim 1, characterized
thus, that
between the compensating and wall a soft **bellows** prevents
dirt
entering into the compensation ring.

US PAT NO: 4,786,032 [IMAGE AVAILABLE]

L13: 5 of

22

US-CL-CURRENT: **254/93HP**, 122

SUMMARY:

BSUM(6)

A . . . another part of the bracing means for the known
lifting
apparatus and are secured to the inside of a pleated **bellows**
which
serves as a pneumatic thrust mechanism.

isting torsion loads to be applied to the relatively weak
bellows. Thus, the platform can pitch, roll and yaw to an
unacceptable extent.

SUMMARY:

BSUM(9)

The known apparatus requires the ring members to be directly
attached to
the **bellows** and, thus, subjects the lazy-tongs to lifting
forces
produced by the **bellows**. Such structure gives rise to further
problems of wear, friction and malfunction of the platform

stabilizing
means.

SUMMARY:

BSUM(22)

A particular feature of the pneumatic thrust means is that it comprises
a **bellows** including a flexible wall having vertically spaced horizontal stiffeners and being substantially rectangular in plan. The stiffeners are mounted to. . . .

DETDESC:

DETD(2)

The . . . mechanism, generally designated 12, displaceably connects a platform 11 to a base 10. Inlet means 13 admits pressurized fluid into
bellows thrust mechanism 12. A platform stabilizing mechanism, generally designated 14, is located between base 10 and platform 11 and surrounded. . . .

DETDESC:

DETD(3)

Thrust mechanism 12 includes a flexible wall 15 having a large area,
concertina **bellows** sealed at one end to base 10 and at the other end

US PAT NO: 4,762,298 [IMAGE AVAILABLE]

L13: 6 of

22

US-CL-CURRENT: 248/179.1; 52/2.19, 2.22, 2.25; 126/573, 624;

254/93HP

ABSTRACT:

A support and maneuvering device includes an elongated flexible
inflatable enclosure having a fixed end and a movable end.

The movable end is collapsible toward the fixed end to a contracted position

when the enclosure is in a noninflated condition. Upon

inflation, the movable end is movable away from the fixed end to an extended position.

The movable end includes means for. . .

SUMMARY:

BSUM(13)

It is a more specific object of the invention to provide a novel

US PAT NO: 4,688,760 [IMAGE AVAILABLE]
22

L13: 7 of

US-CL-CURRENT: **254/93HP**, 122

SUMMARY:

US PAT NO: 4,605,203 [IMAGE AVAILABLE]
22

L13: 8 of

US-CL-CURRENT: **254/93HP**, 93H

ABSTRACT:

A pneumatic jack including a jack head adapted to be elevated by an expansible flexible bag member **inflated** with compressed air. A locking mechanism for holding the jack head in its elevated position,

US PAT NO: 4,560,145 [IMAGE AVAILABLE]
22

L13: 9 of

US-CL-CURRENT: **254/93HP**

ABSTRACT:

An air bag jack comprising an **inflatable** member made of a flexible material with a uniform thickness having a top section and a plurality of lower annular. . . the terrain that is being used. Further the top

US PAT NO: 4,470,578 [IMAGE AVAILABLE]
22

L13: 10 of

US-CL-CURRENT: 254/2C; 180/124, 125, 128; **254/93HP**; 414/498

DETDESC:

DETD(3)

According to the embodiment disclosed in FIG. 3 each lifting means 8-11 incl. comprises a **bellow** of rubber or a similar elastic material, which **bellow** is via a hose, tube or the like 12 connectable

to a
source of compressed air. The **bellows** 8-11 are each provided
with a
base plate 13 at the under side of which is fixed a torus-formed,
inflatable membrane 14 which via a hose, tube or the like 15
is
connectable to a source of compressed air. The. . .

US PAT NO: 4,461,455 [IMAGE AVAILABLE]
22

L13: 11 of

US-CL-CURRENT: 254/3R; 180/125; 254/7R, 89H, 92, **93HP**;
414/589, 590

bellows form a resiliently cushioned, yieldable, lifting and
positioning means for the aircraft engine 12 allowing the device
to

US PAT NO: 4,337,921 [IMAGE AVAILABLE]
22

L13: 12 of

TITLE: **Inflatable** ram
US-CL-CURRENT: **254/93HP**

ABSTRACT:

sequential **inflation** of the compartments as the
restraining means are progressively overcome.

SUMMARY:

BSUM(1)

This invention relates to an **inflatable** ram having an
extensible
wall formed by flexible impermeable sheet material.

be of **bellows**-like configuration
may become unstable during extension of the ram through a long
stroke. If

US PAT NO: 4,174,188 [IMAGE AVAILABLE]
22

L13: 13 of

US-CL-CURRENT: 414/139.6; 52/1; 212/308; **254/93HP**; 414/786

SUMMARY:

BSUM(15)

Another . . . invention is an apparatus of this type, wherein
the
means supporting the plate is made up of a bag or **inflatable**
bellows, or an articulated system operated by a jack.

US PAT NO: 4,143,854 [IMAGE AVAILABLE]

L13: 14 of

22

US-CL-CURRENT: **254/93HP**

SUMMARY:

BSUM(2)

Pneumatic . . . this type have already been described in the specification of German Petty Patent No. 7,143,405. They have the form of

inflatable containers with a reinforced bottom and head plates

connected by a containing wall and retaining members for limiting the distance. . . .

circular

(particularly a cylindrical) or sac-shaped ****bellows****.

US PAT NO: 4,104,425 [IMAGE AVAILABLE]

L13: 15 of

22

US-CL-CURRENT: 428/12; 5/81.1; 114/49, 53, 54; ****254/93HP****;
428/34.1,
34.5; 441/129

. known which are made of tension-resistant sheets of plastic foil which are combined, for example, by fusion to form a ****bellows****. These known power cells are either designed as circular disks in top view or else the substantially circular top-view

US PAT NO: 4,102,373 [IMAGE AVAILABLE]

L13: 16 of

22

US-CL-CURRENT: 144/193A, 3K, 193E; ****254/93HP****, 104

ABSTRACT:

This . . . logs.

The purpose of the device is to provide a means for splitting wood into a

usable dimension by expanding a ****bellows**** type membrane using a low

pressure medium source under a restrained log forcing it into a set of

US PAT NO: 4,036,472 [IMAGE AVAILABLE]

L13: 17 of

22

US-CL-CURRENT: ****254/93HP****

ABSTRACT:

A flat, rectangular, **inflatable** bag type lifting device includes two
r
y. The upper and lower walls are substantially equal dimensionally and have lengths to width ratios greater than. .

This wide base and contact area results in improved stability.

US PAT NO: 3,924,843 [IMAGE AVAILABLE]

L13: 18 of

22

US-CL-CURRENT: 269/20; 92/92; 100/269.02; **254/93HP**; 294/99.2

ABSTRACT:

A tool includes a force-producing device having at least one
inflatable member of hose-like shape sinuously disposed in
loops
within subdivisions of a frame member having a plurality of
mutually
spaced. . . respective transverse walls of said frame members
alternately disposed in the free space of said subdivisions, the
hose-like member being **inflatable** to displace the frame
members
relative to one another. Another **inflatable** member to
displace the
frame members in an opposite direction. Inserts for the hose-like
member
to prevent its blockage. Pressure-tightly closed ends provided on
the
inflatable member. Retainer means for securing the
inflatable

US PAT NO: 3,730,366 [IMAGE AVAILABLE]

L13: 19 of

22

US-CL-CURRENT: 414/495; **254/93HP**

ABSTRACT:

A . . . having an elevator load platform vertically shiftable
on a
wheeled support frame by a plurality of fore to aft spaced
inflatable, deflatable **bellows** units, the **bellows**
units being
joined at the vertically intermediate portions thereof by
distortion
preventing tie means. A parallelogram linkage as well as. . .

SUMMARY:

BSUM(2)

This invention relates to haulage vehicles, and more particularly to a load elevating vehicle assembly employing a plurality of spaced hoisting **bellows**.

SUMMARY:

BSUM(6)

The . . . a special stabilized elevator platform on the truck trailer. The platform itself is elevated by a plurality of spaced hoisting **bellows** interconnected by tie means, and cooperative with two sets of parallelogram linkage and also fore and aft stabilizers. The container, . . .

DETDESC:

DETD(2)

Referring . . . connectors 34, 36 and 38 for attaching stabilizing mechanism to frame 12, an elevator load platform 14, a plurality of **bellows** units 16 spaced fore-to-aft along the elongated structure, two sets of **bellows** straddling parallelogram linkage 18 vertically between the support frame and elevator load platform, stabilizer and position control linkage 20, and tie means 22 between the vertically intermediate portions of the **bellows** units 16.

DETDESC:

DETD(4)

The . . . lower support for fore-to-aft stabilizer and position control linkage 20. Members 34 and 38 also constitute the supports upon which **bellows** units 16 are mounted. The ends of plates 34 and 38 extend out over frame elements 30 and 32, and. . .

DETDESC:

DETD(5)

The . . . elongated generally channel shaped side beams 50 and 52.
These side beams are interconnected by a pair of transversely extending
bellow retention elements 54 and 58 at the rear and front of the
structure respectively. These members 54 and 58 are. . .
upwardly,
thereby enabling them to be interfitted with a container place thereon.
The concave underside cradles the top of the **bellows**.

DETDESC:

DETD(6)

Also . . . forwardly-diagonal, generally vertical relationship when
the structure is hoisted. These links are of substantial length, extending from near the rear **bellows** unit to a position forwardly of
the front **bellows** units.

DETDESC:

DETD(7)

Interconnecting the vertically intermediate portions of expandable
bellow units 16 is rigid tie means 22. Specifically, this tie means
includes elongated forwardly to rearwardly extending rods 70 (FIG. 2)
interconnected with flat plates 72, one plate in the center of each
bellows unit, i.e. having approximately an equal number of
bellows above it and below it. Further, tie means 22 is pivotally
interconnected in a specially controlled fashion with the stabilizer. .

DETDESC:

DETD(8)

In operation, **bellows** units 16 are vertically expanded to hoist the
load elevator platform, by compressed air or the like through suitable
conduits 90 (FIGS. 2 and 6) from a conventional compressor on the truck
(not shown). Expansion of **bellows** units 16 elevates load

platform 14
substantially above the underlying frame structure, with
simultaneous
raising of parallelogram. .

US PAT NO: 3,695,582 [IMAGE AVAILABLE]
22

L13: 20 of

US-CL-CURRENT: **254/93HP**; 405/289

SUMMARY:

BSUM(4)

The . . . plastic material, such as "Plastisol." The side
wall of
hollow body member is shaped to define an upper and lower
bellows

US PAT NO: 3,659,899 [IMAGE AVAILABLE]
22

L13: 21 of

US-CL-CURRENT: **298/22R**, 1A; 414/376

SUMMARY:

BSUM(3)

It . . . connection to dump a load carried on the bed. It has
also
been known in the past to utilize an **inflatable** bag means for
such
purpose.

DETDESC:

DETD(26)

The expansible bags here described are preferably of **bellows**
type
configuration so that they will contract neatly when gasses are
exhausted
therefrom.

US PAT NO: 3,565,398 [IMAGE AVAILABLE]
22

L13: 22 of

US-CL-CURRENT: **254/93HP**; 92/35

SUMMARY:

BSUM(2)

Pneuma.

=> s button#

L14 88071 BUTTON#

=> s l14 and l4

L15 20 L14 AND L4

=> s button##

L16 88264 BUTTON##

=> s l16 and l4

L17 20 L16 AND L4

=> s l17 and inflat####

34074 INFLAT####

L18 5 L17 AND INFLAT####

=> d kwic 1-5

US PAT NO: 5,361,433 [IMAGE AVAILABLE]

L18: 1 of

5

TITLE: Pneumatic sit/stand assistance device utilizing sequential

inflation for stabilizing effects

US-CL-CURRENT: 5/81.1, 654; **254/93HP**; 297/DIG.3, DIG.10

ABSTRACT:

power **button** 26 on the chair 12 and another cord 2

US PAT NO: 4,629,162 [IMAGE AVAILABLE]

L18: 2 of

5

US-CL-CURRENT: **254/93HP**; 5/81.1, 453; 297/DIG.10; D12/128

ABSTRACT:

A pneumatic invalid lift comprises a wedge-shaped **inflatable** air bag

d a remote control push **button** type on-off switch 16 for the air source on a cord 18 extending from the air source.

US PAT NO: 4,605,203 [IMAGE AVAILABLE]

L18: 3 of

5

US-CL-CURRENT: **254/93HP**, 93H

control handle or push-**button** 55

adapted to be manually pushed to unseat the check valve 51 from its seat

52. The check valve 51. . .

DETDESC:

DETD(24)

The push-**button** 55

US PAT NO: 4,222,549 [IMAGE AVAILABLE]

L18: 4 of

5

US-CL-CURRENT: **254/93HP**; 60/597; 144/34B, 193R; 180/89.2;
254/124;

313/120; 417/380

releases the **button** 17, and the power saw again
is ready for use in a subsequent sawing operation. Upon release
of the
button 17, the s

US PAT NO: 4,172,479 [IMAGE AVAILABLE]

L18: 5 of

5

US-CL-CURRENT: 144/336; 60/597; 144/34B; **254/93HP**

ABSTRACT:

A . . . the cutting surfaces of a saw notch in the tree trunk.
The

tipping f

=> s adhesive##

L19 190730 ADHESIVE##s 119 and 14

=>

L20 26 L19 AND L4

=> s (inflat#### or pressuriz####)

34074 INFLAT####

127247 PRESSURIZ####

L21 152291 (INFLAT#### OR PRESSURIZ####)

=> set high off

SET COMMAND COMPLETED

=> s 121 and 14

L22 141 L21 AND L4

=> s 122 and adhesive##

190730 ADHESIVE##

L23 17 L22 AND ADHESIVE##

=> set high on

SET COMMAND COMPLETED

=> s 122 and adhesive##

190730 ADHESIVE##

L24 17 L22 AND ADHESIVE##

=> d kwic 1-17

US PAT NO: 5,446,938 [IMAGE AVAILABLE]

L24: 1 of

17

DETDESC:

DETD(10)

Overlapping portions of the two sheets 22 and 23 are sealed together, such as by heat sealing or **adhesives**, along an annular sealed area or strip 28, with the enclosed zone 29 within the sealed area 28 being free.

DETDESC:

DETD(13)

The . . . both sheets 22 and 23 are then folded on each other and joined together such as by heat sealing or **adhesives** to form sealed side edges 32, as shown in FIG. 5.

DETDESC:

DETD(14)

The . . . end edges 24 and 25 of each sheet 22 and 23 are then joined together, again by heat sealing or **adhesives**, to enclose each bag 20 and 21 and provide a sealed margin or flap 33 of substantial width, as seen. . .

DETDESC:

DETD(21)

It is also contemplated that the overlapping sheets 22 and 23 can be merely joined together by **adhesive**, heat sealing, mechanical fasteners, stitching, or the like, and without communication in the joined area, in which case, external conduits. . .

US PAT NO: 5,441,237 [IMAGE AVAILABLE]
17

L24: 2 of

DETDESC:

DETD(6)

The FIGS. 7 and g indicates the optional employment of reflective tape 38 that is **adhesively** mounted to the housing's side wall 12.

CLAIMS:

CLMS(4)

4. A jack as set forth in claim 3 wherein the housing side wall includes reflective tape **adhesively** mounted to the housing side wall, and at least one gusset fixedly securing the support tube to the housing top.

US PAT NO: 4,948,107 [IMAGE AVAILABLE]
17

L24: 3 of

DETDESC:

DETD(7)

In use, it is desirable to add an **adhesive** or sealer to the sheet material in the zone between the framing members. Such **adhesive** may assist in retaining the air tight relationship of the zone of inflation during inflation and use. Commonly known general purpose rubber **adhesives** may be utilized.

US PAT NO: 4,900,218 [IMAGE AVAILABLE]
17

L24: 4 of

DETDESC:

DETD(35)

Considering . . . illustrates bellows spaces 106a and 106b. Membranes 120a and 120b are secured to the plates 98a and 98b (as by **adhesive**) so as to close the defined spaces 106a and 106b in a bellows configuration except for ports 121a and 121b.. . .

US PAT NO: 4,731,151 [IMAGE AVAILABLE]
17

L24: 5 of

ABSTRACT:

An . . . assembly line conveyor to move synchronously therewith while performing the headliner mounting operation by moving a platform with a preferably **adhesive** coated headliner placed thereon through a window cut-out of a body, elevating the headliner into contact with the ceiling

of. . .

SUMMARY:

BSUM(7)

The . . . headliner relative to the ceiling of the compartment. The headliner, on its surface facing the ceiling, is coated with an **adhesive** layer, and by pressing it against the ceiling is bonded therewith. The pressure required for the **adhesive** bonding is generated by feet connected to the jig and movable relative thereto by appropriate motion means for engaging the. . .

DETDESC:

DETD(11)

The headliners 5 may be loaded onto a conveyor system of an automatic **adhesive** spraying apparatus (not shown) preferably provided on a floor below the assembly line. At the **adhesive** spraying apparatus a coating of **adhesive** is applied in a continuous operation to that surface of the headliner 5 which is to engage the ceiling of. . .

DETDESC:

DETD(13)

After leaving the **adhesive** spraying station, a headliner 5 with its **adhesive** coated surface facing upwardly, may be placed upon a pallet 17 (see FIG. 4). There is no pictorial presentation of. . .

DETDESC:

DETD(14)

Before . . . The heating station 29 may comprise a plurality of radiant heat deflectors mounted above the pallet 17 to activate the **adhesive** layer of the headliner 5 at a temperature of about 80.degree. C. (176.degree.). In a relatively short time--about 30 seconds--the heat treatment causes evaporation of sufficient water from the layer of **adhesive** to provide an optimum **adhesive** bond

US PAT NO: 4,572,579 [IMAGE AVAILABLE]
17

L24: 6 of

DETDESC:

DETD(3)

11 . . . the bottom of the bag 11 are fixed to the upper member 9 and the lower member 7 by an **adhesive**, respectively. FIG. 3(b) illustrates another form of the bag 11, in which the bag 11 is made of a tubular. . .

US PAT NO: 4,422,199 [IMAGE AVAILABLE]
17

L24: 7 of

DETDESC:

DETD(8)

Each . . . body portion 33 of the sheet 22, FIG. 2. A quick release fastening member in the form of a suitable **adhesive** strip 34 is secured to and extends along the rear face of the upper flap 31 of the

US PAT NO: 4,417,639 [IMAGE AVAILABLE]
17

L24: 8 of

US PAT NO: 4,171,631 [IMAGE AVAILABLE]
17

L24: 9 of

DETDESC:

DETD(2)

In . . . in any manner desired and I have used a binding material preferably of Nylon or Neoprene and have used an **adhesive**, such as a cement, for securing the binding B to the four edges of the air bag, the binding overlapping. . .

US PAT NO: 4,143,854 [IMAGE AVAILABLE]
17

L24: 10 of

SUMMARY:

BSUM(8)

A . . . from the point of view of bursting pressure may be provided with such reinforcing strips. The reinforcing strips may be **adhesively** bonded, hot sealed or bonded in some other way, for instance by polymerisation, vulcanisation or the like to the material. .

DETDESC:

. **Adhesively** bonded to the Neoprene skin is a fabric 3 which is a twill weave containing 5 ends and 5 picks. . . ply 3 is another N of **adhesively** secured inelastic webbing 25 mm wide and spaced 30 mm apart. The tapes continue without interruption around the this bag -- with the possible interposition of a film of **adhesive** 7-- may be lined with another fabric ply 8 and/or another rubber ply 9. At one point on the periphery. . .

DETDESC:

DETD(9)

The . . . and made of a fluid and pressure-tight rubber strengthened around the edges of the case by the application thereto of **adhesively** bonded or vulcanised strip material 13 and 14. (FIG. 4).

CLAIMS:

CLMS(17)

17. . . . according to claim 16, characterized in that at least one side of at least one ply is provided with tapes **adhesively** bonded thereto and running in the lengthwise direction.

CLAIMS:

CLMS(18)

18. . . . to claim 15, characterized in that at least one side of at least one ply is provided with spaced tapes **adhesively** bonded thereto

and running in the crosswise direction.

US PAT NO: 4,143,448 [IMAGE AVAILABLE]
17

L24: 11 of

DETDESC:

DETD(3)

An . . . pair of tubes shown is preferred. One end of each tube 16 is sealed, such as by a suitable rubber-based **adhesive**, and fastened to wall 14 by any conventional means, such as bolts 18. The opposite end of each tube 16. . .

DETDESC:

DETD(6)

As . . . 16 through which air is admitted are secured to wall 14 by bolts 38, with the end of tube 16 **adhesively** sealed around a stem 40. Knobs 34 control the air valves described above to admit air into tubes 16 or. . .

US PAT NO: 4,104,425 [IMAGE AVAILABLE]
17

L24: 12 of

DETDESC:

DETD(45)

It . . . segments which are particularly loaded by the stresses, for instance by enclosing them with high-tensile-strength foils, for instance glass-fiber reinforced **adhesive** tapes, cloth-reinforced rubber foils, etc., whereby higher operational pressures are admissible or power-cells of larger volumes may be made of. . .

CLAIMS:

CLMS(10)

10. . . characterized in that wall segments jeopardized by stresses in the wall due to the displacement of masses are reinforced by **adhesive** tape reinforced by glass fibers.

US PAT NO: 4,054,226 [IMAGE AVAILABLE]
17

L24: 13 of

SUMMARY:

BSUM(10)

One . . . by Signode Steel Strapping Co., described in the Aug. 29, 1960 issue of "Railway Age." However, temporary bulkheads attached by **adhesives** or by positive fasteners either require cleaning off of the **adhesive** or cause damage to the container walls. And, since the prior use of temporary bulkheads has depended on frictional forces. .

DETDESC:

DETD(27)

The . . . located about 4 feet forward of the bottom rear edge. These attachment areas 21-24 are then reinforced against tearing by **adhesively** securing strips of plastic or canvas tape 82 at spaced locations along the respective areas, as shown in FIGS. 6. . .

US PAT NO: 3,924,843 [IMAGE AVAILABLE]
17

L24: 14 of

DETDESC:

DETD(12)

In . . . that is provided along the length thereof with a path or track 81 and projections 82 that are secured by **adhesive** or by vulcanization thereto. The projections 82 are provided for engaging in corresponding openings formed in the supporting surfaces, and. .

US PAT NO: 3,787,953 [IMAGE AVAILABLE]
17

L24: 15 of

DETDESC:

DETD(5)

The . . . body 15 and instead of being secured in place by mountings, is merely loose in well 13, or held by **adhesive** or some other simple fastener. A flexible air line 21 includes a normally-closed valve 22 and leads from tire 12. . .

US PAT NO: 3,704,859 [IMAGE AVAILABLE]
17

L24: 16 of

ABSTRACT:

A . . . folding over the triangular portions onto the bottom wall and securing the gores to the triangular portions, as by an **adhesive** or vulcanization. If desired, a reinforcing and retaining disc can be secured to the outer and/or inner face of the. . .

CLAIMS:

CLMS (5)

5. A jack as claimed in claim 4, wherein said maintaining means comprise **adhesive** between adjoining faces of the pleat portions and the first portions of the upper wall.

US PAT NO: 3,583,330 [IMAGE AVAILABLE]
17

L24: 17 of

DETDESC:

DETD (17)

Each . . . arcuate portion 142, the flange portions 143 being secured to the outer surface of the envelope 140 by an appropriate **adhesive** as at 144. The corresponding connecting rod (designated as 161 in FIG. 17) is received beneath the arcuate portion 142. . .

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* U . S . P A T E N T T E X T F I L E *

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E2 6 14/71.3/CCLS
E3 6 254/93HP/CCLS
E4 5 298/22R/CCLS
E5 5 414/469/CCLS
E6 4 105/243/CCLS

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